

JUN-02-2003 13:54 FROM:

TO: 17039729136

P.002/003

\*\*\*\*\*DRAFT - DO NOT FILE\*\*\*\*\*

S/N 10/003,240PATENTIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Don Danielson et al.

Examiner: Mackey

Serial No.: 10/003,240

Group Art Unit: 1775

Filed: October 6, 2001

Docket No.:

884.614US1

Title: ETCHANT FORMULATION FOR SELECTIVELY REMOVING THIN FILMS

IN THE PRESENCE OF COPPER, TIN, AND LEAD

PROPOSED EXAMINER'S AMENDMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

IN THE SPECIFICATION

The paragraph beginning at page 4, line 17 is amended as follows:

Figure 3 illustrates further processing that is carried out where passivation layer 20 and metallization 14 are covered with a metal first layer 26 a metal second layer 28, a metal third layer 30, and a metal upper layer 32. In one embodiment, metal first layer 26 is a refractory metal such as titanium, zirconium, hafnium, and the like. Other refractory metals for metal first layer 26 include nickel, cobalt, palladium, platinum, and the like. Other refractory metals for metal first layer 26 include chromium, molybdenum, tungsten, and the like. Other [refractory] metals for metal first layer 26 include the refractory metals scandium, yttrium, [lanthanum, cerium,] and the like, and the metals lanthanum, cerium and the like. One property embodiment is a metal first layer 26 that exhibits sufficient adhesion to the metallization that liftoff or spalling thereof will not occur during fabrication, test, and ordinary field use.

JUN-02-2003 13:54 FROM:

TO: 17038729136

P.001/003

**SCHWEGMAN ■ LUNDBERG ■ WOESSNER ■ KLUTH**

*Patent Protection for High Technology*  
Intellectual Property Attorneys

John N. Greaves  
6425 S. Sycamore Drive  
Holladay, UT 84117

Telephone (801) 278-9171  
Facsimile (612) 339-3061  
E-mail: [jngreaves@slwk.com](mailto:jngreaves@slwk.com)

1600 TCF Tower  
121 South Eighth Street  
Minneapolis, MN 55402

Telephone (612) 373-6900  
Facsimile (612) 339-3061  
Website: [www.slwk.com](http://www.slwk.com)

**Facsimile Transmission****To: Examiner Mackey****Company: US Patent & Trademark Office****Fax #: 703 872-9130****From: John N. Greaves****Date: 06-02-2003****Re: Proposed Examiner's Amendment**

**You should receive 3 page(s) including this one.  
If you do not receive all pages, please call (801) 278-9171**

Dear Examiner Mackey:

Per our conversation, please see attached.

*John N. Greaves*  
*Registered Patent Attorney*

This transmission contains information that is confidential and/or legally privileged. It is intended for use only by the person to whom it is directed. If you have received this facsimile in error, please notify us by telephone immediately so that we can arrange for the return of the original documents to us. If you do NOT receive all of the pages, please telephone us in the U.S.A. at (612) 339-0331 or (801) 278-9171 OR FAX us at (612) 339-306.

Received from &lt; &gt; at 6/2/03 3:47:14 PM [Eastern Daylight Time]

Received from &lt; 7033089395 &gt; at 6/6/03 9:12:01 AM [Eastern Daylight Time]